Taiju Saito

List of Publications by Year
in descending order

67 papers	1,937 citations	279778 23 h-index	276858 41 g-index
68 all docs	68 docs citations	68 times ranked	1111 citing authors

#	Article	IF	Citations
1	Blastomeres derived from the vegetal pole provide extra-embryonic nutrition to sturgeon (Acipenser) embryos: Transition from holoblastic to meroblastic cleavage. Aquaculture, 2022, 551, 737899.	3.5	0
2	Efficient Artificial Fertilization and Ovulated Egg Preservation in Kawakawa Euthynnus affinis. Journal of Marine Science and Engineering, 2022, 10, 599.	2.6	2
3	Dead-end (dnd) protein in fishâ€"a review. Fish Physiology and Biochemistry, 2021, 47, 777-784.	2.3	22
4	Determination of annual reproductive cycle in male sterlet, Acipenser ruthenus using histology and ultrasound imaging. Fish Physiology and Biochemistry, 2021, 47, 703-711.	2.3	4
5	Novel technique for definite blastomere inhibition and distribution of maternal RNA in sterlet Acipenser ruthenus embryo. Fisheries Science, 2021, 87, 71-83.	1.6	1
6	TALEN-Mediated Gene Editing of slc24a5 (Solute Carrier Family 24, Member 5) in Kawakawa, Euthynnus affinis. Journal of Marine Science and Engineering, 2021, 9, 1378.	2.6	8
7	Isogenic lines in fish â€" a critical review. Reviews in Aquaculture, 2020, 12, 1412-1434.	9.0	32
8	Chapter 16 Specificity of Germ Cell Technologies in Sturgeons. , 2020, , 335-356.		1
9	Induction of germ cell-deficiency in grass puffer by dead end 1 gene knockdown for use as a recipient in surrogate production of tiger puffer. Aquaculture, 2020, 526, 735385.	3.5	21
10	Development of Marine Fish: Several Procedures for the Observation of Embryonic Development. , 2020, , 125-148.		0
11	A newly developed cloning technique in sturgeons; an important step towards recovering endangered species. Scientific Reports, 2019, 9, 10453.	3.3	12
12	A state-of-the-art review of surrogate propagation in fish. Theriogenology, 2019, 133, 216-227.	2.1	38
13	Production of Germ-Line Chimeras in Zebrafish. Methods in Molecular Biology, 2019, 1920, 327-341.	0.9	1
14	Microinjection of Marine Fish Eggs. Methods in Molecular Biology, 2019, 1874, 475-487.	0.9	19
15	Title is missing!. Turkish Journal of Fisheries and Aquatic Sciences, 2019, 19, .	0.9	2
16	Comparison of oocyte mRNA localization patterns in sterlet Acipenser ruthenus and African clawed frog Xenopus laevis. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2018, 330, 181-187.	1.3	7
17	Elimination of primordial germ cells in sturgeon embryos by ultraviolet irradiationâ€. Biology of Reproduction, 2018, 99, 556-564.	2.7	15
18	Biotechnology applied to fish reproduction: tools for conservation. Fish Physiology and Biochemistry, 2018, 44, 1469-1485.	2.3	31

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19	Application of interspecific Somatic Cell Nuclear Transfer (iSCNT) in sturgeons and an unexpectedly produced gynogenetic sterlet with homozygous quadruple haploid. Scientific Reports, 2018, 8, 5997.	3.3	15
20	Triploid or hybrid tetra: Which is the ideal sterile host for surrogate technology?. Theriogenology, 2018, 108, 239-244.	2.1	18
21	First evidence of viable progeny from three interspecific parents in sturgeon. Fish Physiology and Biochemistry, 2018, 44, 1541-1550.	2.3	3
22	Intra-ooplasmic injection of a multiple number of sperm to induce androgenesis and polyploidy in the dojo loach Misgurnus anguillicaudatus (Teleostei: Cobitidae). Zygote, 2018, 26, 408-416.	1.1	3
23	Polyspermy produces viable haploid/diploid mosaics in sturgeonâ€. Biology of Reproduction, 2018, 99, 695-706.	2.7	14
24	Biology of teleost primordial germ cells (PGCs) and spermatogonia: Biotechnological applications. Aquaculture, 2017, 472, 4-20.	3.5	44
25	Development of nuclear DNA markers to characterize genetically diverse groups of Misgurnus anguillicaudatus and its closely related species. Fisheries Science, 2017, 83, 743-756.	1.6	17
26	Migration of primordial germ cells during late embryogenesis of pikeperch Sander lucioperca relative to blastomere transplantation. Czech Journal of Animal Science, 2017, 62, 121-129.	1.3	5
27	Early embryonic development in pikeperch (Sander lucioperca) related to micromanipulation. Czech Journal of Animal Science, 2016, 61, 273-280.	1.3	8
28	Non-motile tetraploid spermatozoa of Misgurnus loach hybrids. Fisheries Science, 2016, 82, 127-135.	1.6	6
29	Cryopreservation of early stage Siberian sturgeon Acipenser baerii germ cells, comparison of whole tissue and dissociated cells. Cryobiology, 2016, 72, 119-122.	0.7	47
30	Generation of clonal zebrafish line by androgenesis without egg irradiation. Scientific Reports, 2015, 5, 13346.	3.3	22
31	Visualization of primordial germ cells in the fertilized pelagic eggs of the barfin flounder Verasper moseri. International Journal of Developmental Biology, 2015, 59, 465-470.	0.6	15
32	Early Depletion of Primordial Germ Cells in Zebrafish Promotes Testis Formation. Stem Cell Reports, 2015, 4, 61-73.	4.8	133
33	Sterilization of sterlet Acipenser ruthenus by using knockdown agent, antisense morpholino oligonucleotide, against dead end gene. Theriogenology, 2015, 84, 1246-1255.e1.	2.1	56
34	Novel Technique for Visualizing Primordial Germ Cells in Sturgeons (Acipenser ruthenus, A.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Tc	2.7	25
35	Isolation and transplantation of sturgeon early-stage germ cells. Theriogenology, 2015, 83, 1085-1092.	2.1	61
36	Isolation and cryopreservation of early stages of germ cells of tench (Tinca tinca). Czech Journal of Animal Science, 2014, 59, 381-390.	1.3	22

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37	The Origin And Migration Of Primordial Germ Cells In Sturgeons. PLoS ONE, 2014, 9, e86861.	2.5	79
38	Embryogenesis, visualization and migration of primordial germ cells in tench (Tinca tinca). Journal of Applied Ichthyology, 2014, 30, 29-39.	0.7	15
39	Motility and fertilization ability of sterlet Acipenser ruthenus testicular sperm after cryopreservation. Cryobiology, 2014, 69, 339-341.	0.7	22
40	Androgenetic doubled haploids induced without irradiation of eggs in loach (Misgurnus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (a	3.5	14
41	Comparison of spermatozoa parameters, fine structures, and energyâ€related factors among tetraploid, hyperâ€tetraploid, and hyperâ€triploid loaches (Misgurnus anguillicaudatus). Journal of Experimental Zoology, 2014, 321, 198-206.	1.2	9
42	Technical note: Viability and motility of vitrified/thawed primordial germ cell isolated from common carp (Cyprinus carpio) somite embryos1. Journal of Animal Science, 2012, 90, 495-500.	0.5	12
43	Distribution and function of germ plasm in cytoplasmic fragments from centrifuged eggs of the goldfish, Carassius auratus. Journal of Applied Ichthyology, 2012, 28, 998-1005.	0.7	3
44	Germ cells are not the primary factor for sexual fate determination in goldfish. Developmental Biology, 2012, 370, 98-109.	2.0	120
45	Cryopreservation of green fluorescent protein (GFP)-labeled primordial germ cells with GFP fused to the 3â€² untranslated region of the nanos gene by vitrification of Japanese eel (Anguilla japonica) somite stage embryos1. Journal of Animal Science, 2012, 90, 4256-4265.	0.5	11
46	Visualization and motility of primordial germ cells using green fluorescent protein fused to 3'UTR of common carp nanos-related gene. Aquaculture, 2011, 317, 245-250.	3.5	15
47	The Mechanism for Primordial Germ-Cell Migration Is Conserved between Japanese Eel and Zebrafish. PLoS ONE, 2011, 6, e24460.	2.5	36
48	Zebrafish Germline Chimeras Produced by Transplantation of Ovarian Germ Cells into Sterile Host Larvae1. Biology of Reproduction, 2011, 84, 1190-1197.	2.7	97
49	Primordial germ cell in teleost fish with special references to its specification and migration. Journal of Applied Ichthyology, 2010, 26, 816-822.	0.7	11
50	Isolation of teleost primordial germ cells using flow cytometry. International Journal of Developmental Biology, 2010, 54, 1485-1490.	0.6	11
51	Inter-species transplantation and migration of primordial germ cells in cyprinid fish. International Journal of Developmental Biology, 2010, 54, 1479-1484.	0.6	64
52	Developmental potential of embryonic cells in a nucleocytoplasmic hybrid formed using a goldfish haploid nucleus and loach egg cytoplasm. International Journal of Developmental Biology, 2010, 54, 827-835.	0.6	12
53	Generation of germ-line chimera zebrafish using primordial germ cells isolated from cultured blastomeres and cryopreserved embryoids. International Journal of Developmental Biology, 2010, 54, 1491-1499.	0.6	31
54	Chromosome Doubling in Early Spermatogonia Produces Diploid Spermatozoa in a Natural Clonal Fish1. Biology of Reproduction, 2009, 80, 973-979.	2.7	45

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55	Germ Cell Depletion During Embryogenesis Does Not Affect Subsequent Gonadal Differentiation in Goldfish.. Biology of Reproduction, 2009, 81, 39-39.	2.7	0
56	Xenogenesis in Teleost Fish Through Generation of Germ-Line Chimeras by Single Primordial Germ Cell Transplantation1. Biology of Reproduction, 2008, 78, 159-166.	2.7	173
57	Developmental biotechnology for aquaculture, with special reference to surrogate production in teleost fishes. Journal of Sea Research, 2007, 58, 8-22.	1.6	54
58	Cloning and pattern of expression of the shiro-uo vasa gene during embryogenesis and its roles in PGC development. International Journal of Developmental Biology, 2006, 50, 619-625.	0.6	23
59	Visualization of primordial germ cells in vivo using GFP-nos1 3'UTR mRNA. International Journal of Developmental Biology, 2006, 50, 691-699.	0.6	115
60	Developmental Stages and Germ Cell Lineage of the Loach (Misgurnus anguillicaudatus). Zoological Science, 2006, 23, 977-989.	0.7	71
61	Transcriptional regulation of plasminogen activator inhibitor-1 by transforming growth factor-Î², activin A and microphthalmia-associated transcription factor. Cellular Signalling, 2006, 18, 256-265.	3.6	30
62	Germ-line chimera produced by blastoderm transplantation in zebrafish. Nippon Suisan Gakkaishi, 2005, 71, 1-9.	0.1	4
63	The formation of primordial germ cells from germline cells in spherical embryos derived from the blastodisc of 2-cell embryos in goldfish, Carassius auratus. International Journal of Developmental Biology, 2005, 49, 843-850.	0.6	11
64	Aspects and prospective of surrogate propagation in teleost fish. Journal of Animal Genetics, 2004, 31, 47-55.	0.1	4
65	Embryonic Stages from Cleavage to Gastrula in the Loach Misgurnus anguillicaudatus. Zoological Science, 2004, 21, 747-755.	0.7	36
66	The germ line lineage in ukigori, Gymnogobius species (Teleostei: Gobiidae) during embryonic development. International Journal of Developmental Biology, 2004, 48, 1079-1085.	0.6	41
67	Germ Cell Lineage from a Single Blastomere at 8-Cell Stage in Shiro-uo (ice goby). Zoological Science, 2002, 19, 1027-1032.	0.7	11